



# Woodlot efm Project





# JWG Presentation



- Understanding & Communication
- Endorsement of our ideas & suggestions
- Support for short term plan
  - Resources
  - Communication (linkages with other initiatives)
  - Business alignment
  - Discussion around top recommendations



# Overview



- Background
- Business Case
- Project Purpose & Team
- Methodology
- Findings
- Products
- Recommendations
- Key Learnings & Reflections
- Next Steps – plan finalization & implementation



# Background



- 2003 – Efm initiative comes alive – introduction of new Ministry web-enabled applications
- 2004 – Federation/FIA commission Forsite report
- 2005
  - e-FM was first introduced to woodlot licensees at woodlot workshops in March 2005
  - Streamlining Forest Initiatives – Infomall, data clean up, CP/RP bundles, single form
  - WARRT (woodlot administrative review and recommendation team)
- 2006
  - CIO Forum / ILMB = Data sharing initiatives
  - BAPS – FIMW
- 2007
  - FBCWA Efm User need report - Woodlot Licensee e-FM User Group
  - Northeast BC Pilot Project
  - NRSIC Strategy and action plan
  - Efm Project
  - DTAP – POW
- Various initiatives – WARRT, BAPS, POW, etc. – lack of coordination = inefficiencies + duplication of efforts



# Business Case

*identified efm issues/challenges*



## Woodlot Federation

- Cost & Complexity
- Lack of resources and/or skills
- Reliance on service providers

## Ministry of Forests and Range

- Lack of district efm expertise
- Capture/ document business & policy
- Ministry core requirements

## Both

- Low client participation
- Database Integrity – spatial & attribute
- Inadequate Training
- Desire to improve relations
- Overall Frustration
- 2005-07 releases of business applications
- Follow-through (*previous recommendations*)
- Perceptions:
  - Systems drives business rules
  - Inconsistent business practices
  - reduced workload associated with efm submission



# Our Team



Left to right: Dave Haley, Jacques Bousquet, Doug Stewart, Stephanie Mooney, Tom Bradley, Gord Wall, Coleen MacLean-Marlow, Susan Prosser





# efm Project Purpose



## Purpose:

"Development of a strategic plan that provides short, mid and long term recommendations which, if implemented, will enable woodlot holders to more easily and effectively submit data electronically to support their business and the Ministry's efm objectives."

## Deliverables:

1. Business Process Maps depicting interaction with efm and data requirements
2. Identification of issues, inconsistencies, perceived duplication and possible solutions



# Methodology



- Research Phase
  - Interviews and Demos
  - Business Process Mapping
- Analysis Phase
  - Review business process maps
  - Identification of business inconsistencies, issues, duplication, etc.
- Recommendations Compilation
  - Development
  - Categorization: Short – Mid – Long Term
  - Prioritization
- Strategic Plan Development – next steps
- Strategic Plan Approval – next steps



# General Results



- Business Process Maps -15 total
  - Overview, BCeId/MFR applications, ECAS (Coast & Interior), ESF FTA CP & RP, RESULTS Online & Ezlink
- Issues – over 50 identified
- Inconsistencies – over 50 identified
- Perceived Duplications – over 20 identified
- Training & Knowledge Transfer – required  
(by/for both MFR & woodlot licensees)



# General Findings



## Story Time



# Key Disappointments



- Data Integrity & Clean Up
  - Inaccurate or minimal spatial information
  - Missing or inaccurate attribute data
- Cultural reluctance to change (all sides)
- Lack of meaningful reports to get info from systems (MFR & licensees)
- Many of our recommendations have been documented in previous reports but never implemented



# Key Findings



- Business rules drive the systems
- Huge amount of information required
- From clients' perspective, systems are very individualized & could be more audience-friendly
- Business inconsistencies (legs, regs, policy, templates, systems)
- Minimal System data requirement inconsistencies
- General lack of knowledge of and training in ESF systems
- System Interface issues (multiple ports)



# Key Surprises



- Ezlink is easy to use (although still room for improvement)!!
- Numerous similar initiatives relating to systems are going on at same time --- no apparent coordination & possible duplication
- Possibly more change coming due to NE pilot project recommendations for push/pull system
- How little we understood each other's perspective of our joint business (MFR districts vs branches vs IMG vs licensees)



# Products



- Detailed Business Process Maps (flowcharts)
  - including identification of perceived duplications, issues, questions, inconsistencies, suggested improvements
- Cheat Sheets for:
  - BCeid application
  - FTA & RESULTS submissions
- Listings of Issues & Recommendations (prioritized)
- Listings of Perceived Duplications and Inconsistencies

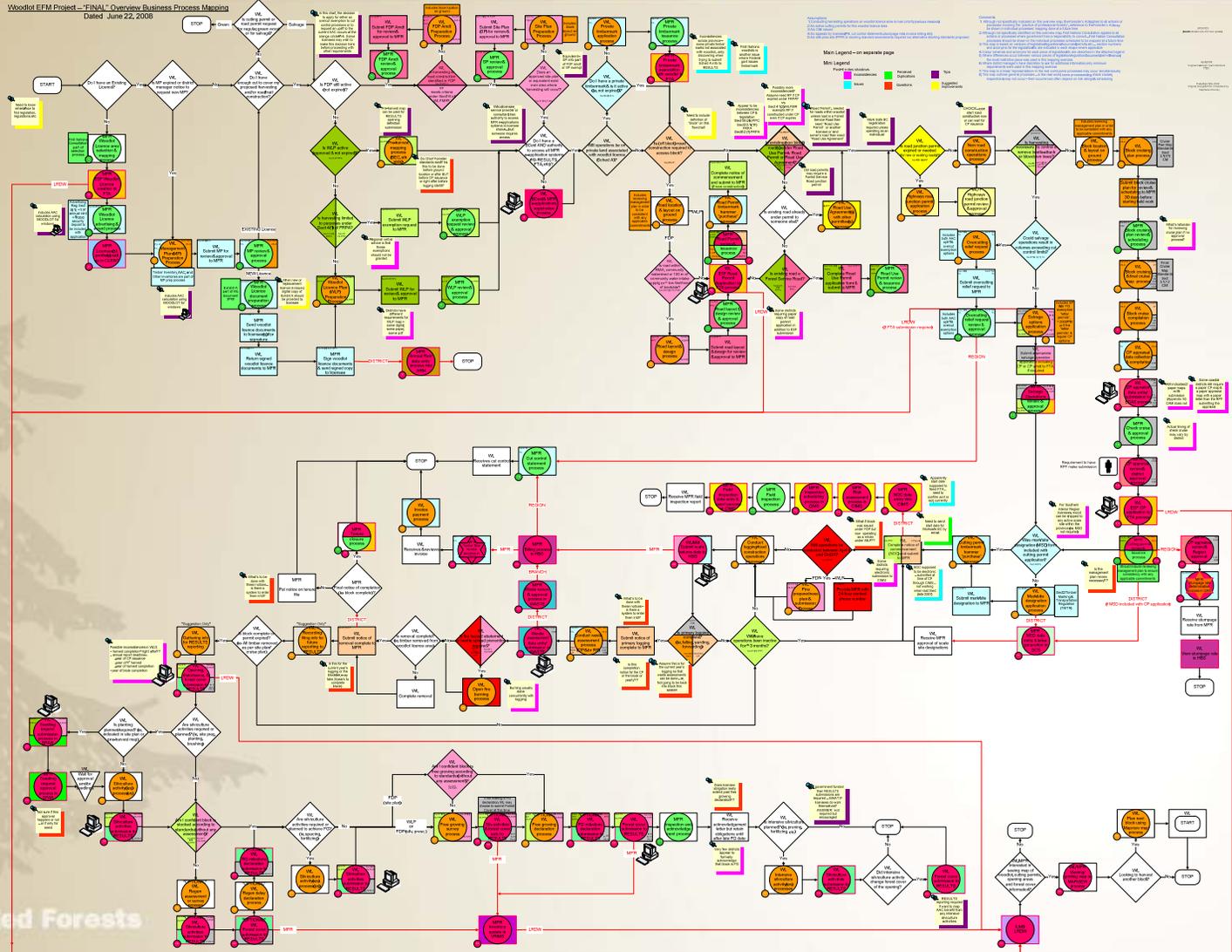


# Business maps

## Woodlot Overview



Woodlot EFM Project – "FINAL" Overview Business Process Mapping  
Dated: June 22, 2008





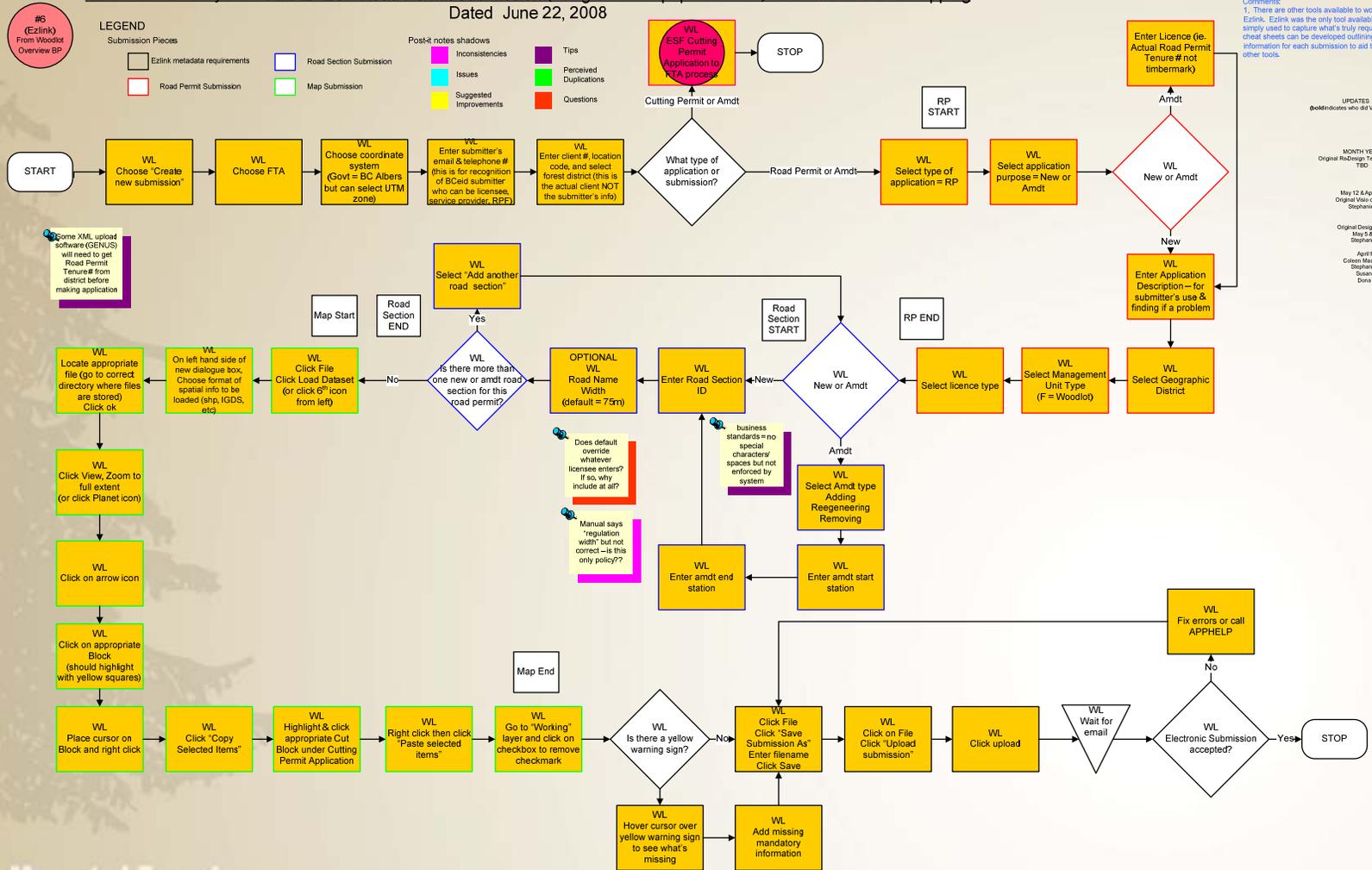


# Business maps

## RP Submission to FTA



### Woodlot EFM Project – “FINAL” ESF Road Permit Submission (using ezlink to populate FTA) Business Process Mapping Dated June 22, 2008



**Assumptions:**  
1. Woodlot licensees have access to Ezlink – either their own copy, a group license, or through a service provider

**Comments:**  
1. There are other tools available to woodlot licensees besides Ezlink. Ezlink was the only tool available to the team and was simply used to capture what's truly required by the schema so that cheat sheets can be developed outlining all of the required information for each submission to aid those who will use the various other tools.

**UPDATES**  
Bold indicates who did the update

**MONTH YEAR**  
Original Redesign Team Members  
TED

May 12 & April 19, 2008  
Original Vico completed by:  
Stephanie Mooney

Original Design completed by:  
May 3 & 12, 2008  
Stephanie Mooney

April 15, 2009  
Green MacLean Member  
Stephanie Mooney  
Susan Prosser  
Dina Dajcay



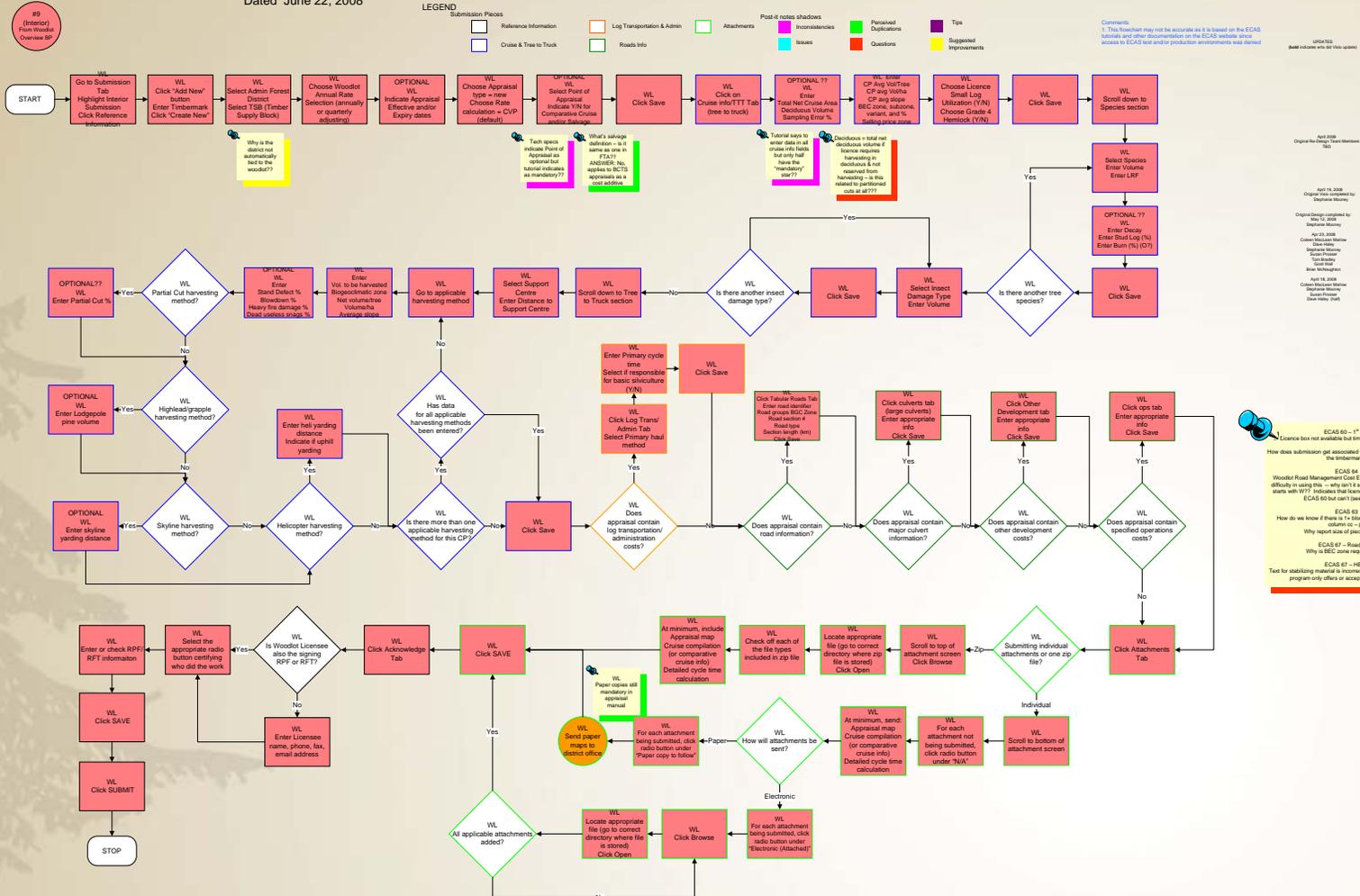
# Business maps

## Interior ECAS Submission



Woodlot EFM Project – "FINAL" ECAS Appraisal Submission (Interior) Business Process Mapping  
 Dated June 22, 2008

Assumptions



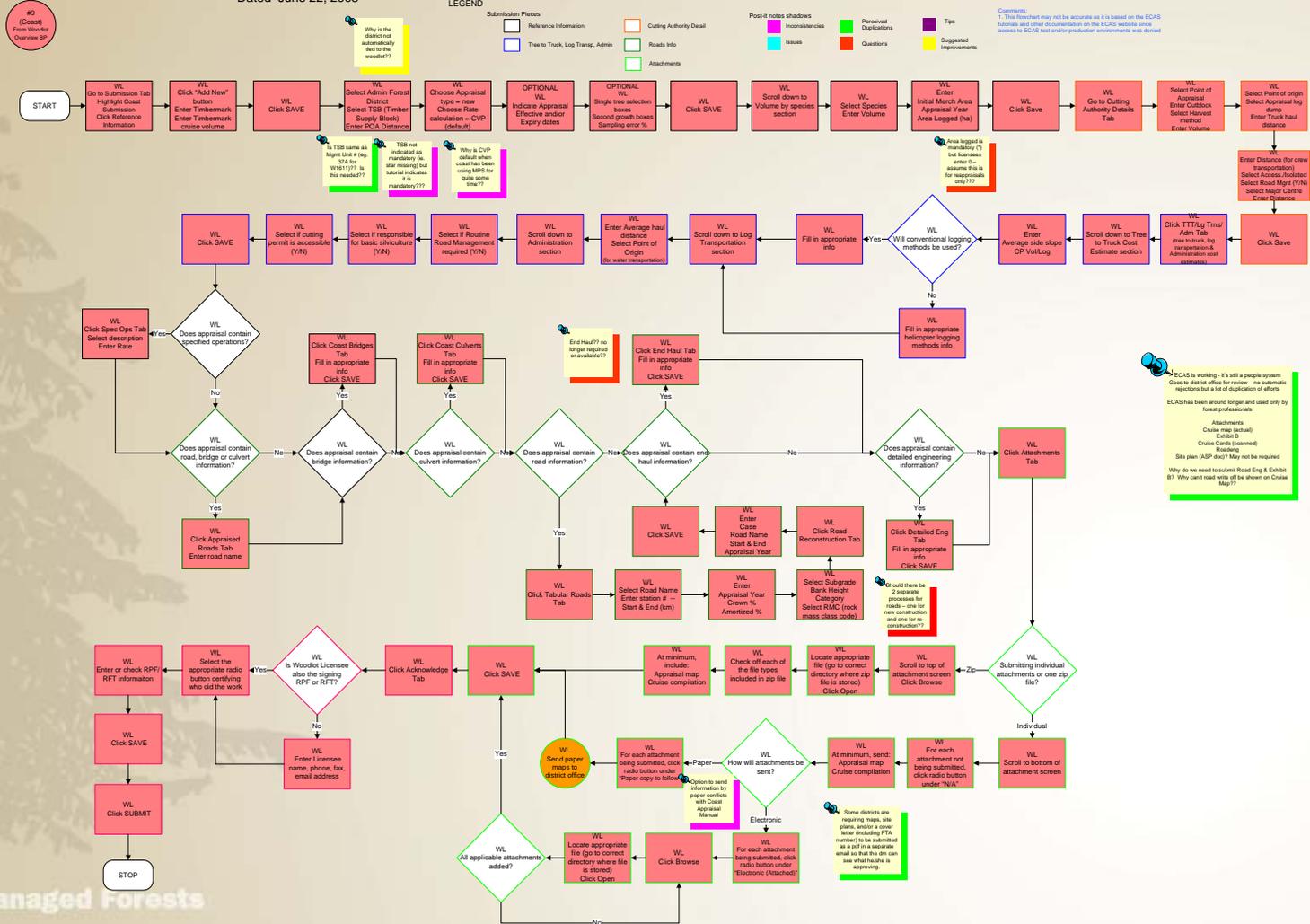


# Business maps

## Coast ECAS Submission



Woodlot EFM Project – "FINAL" ECAS Appraisal Submission (Coast) Business Process Mapping  
 Dated June 22, 2008













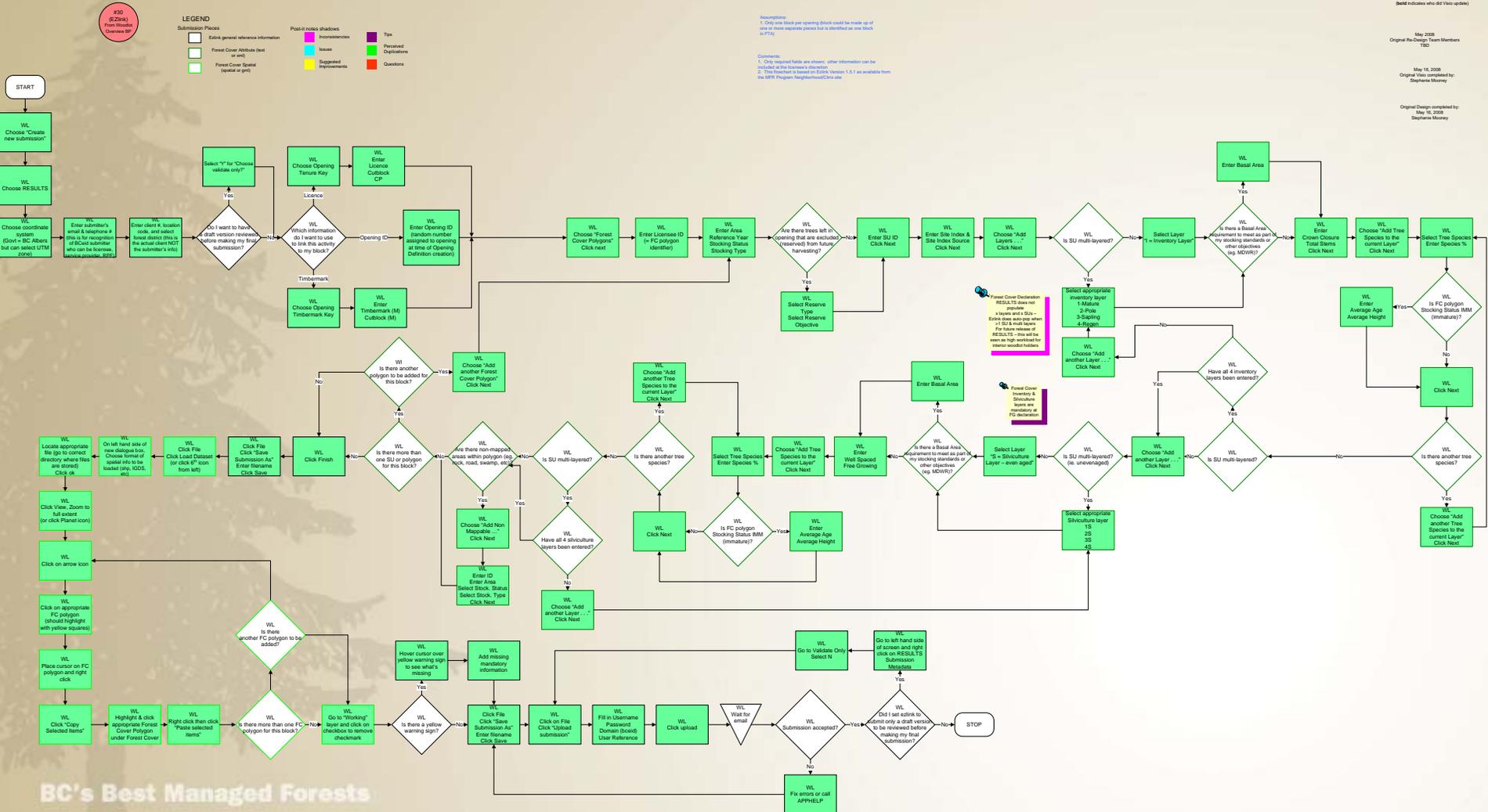


# Business maps

## RESULTS FG FC Ezlink Submission



Woodlot EFM Project – "FINAL" RESULTS 3.1 Free Growing Forest Cover Submission (EZlink) Business Process Mapping  
 Dated June 22, 2008



UPDATES  
 (Bold indicates who did Voice update)

May 2008  
 Original As Design Team Members  
 YC

May 16, 2009  
 Original Voice completed by:  
 Stephanie Murray

Original Design completed by:  
 May 16, 2009  
 Stephanie Murray





# Business maps

## BCeId & MFR Applications



Woodlot EFM Project – “FINAL” BCeId and MFR Applications Access Request Business Process Mapping  
 Dated June 22, 2008

#4  
 From Woodlot  
 Overview BP

Assumptions:

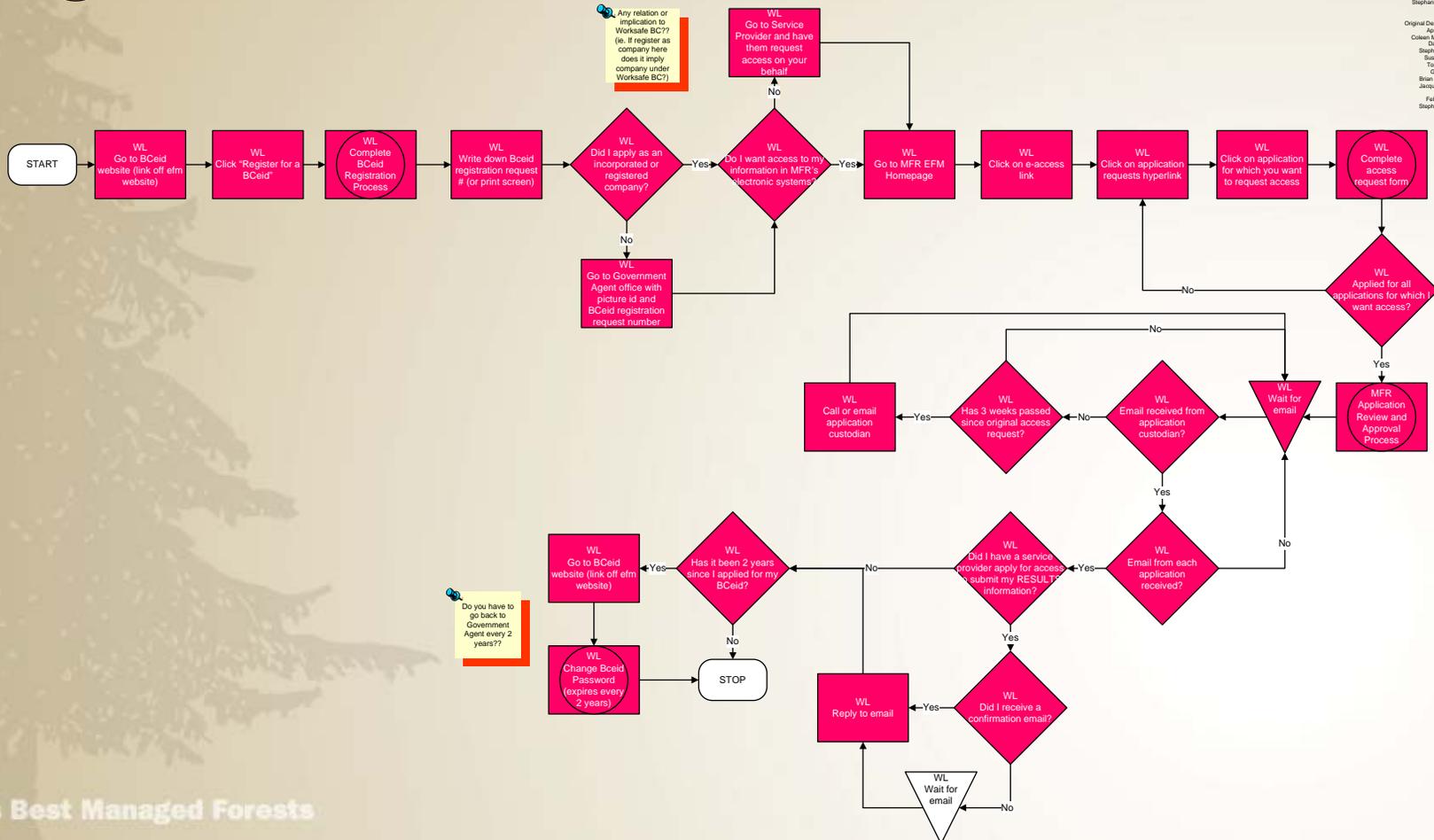
Comments:

UPDATES  
 (bold indicates who did Visio updates)  
 DATE - by **BOLD** = color

April 2008  
 Original Re-Design Team Members  
 TBD

April 4, 2008  
 Original Visio completed by  
 Stephanie Mooney

Original Design completed by  
 April 23, 2008  
 Coleen MacEach Martin  
 Dave Hall  
 Stephanie Mooney  
 Susan Prosser  
 Tom Bradley  
 Gord Wall  
 Brian McHughison  
 Jacques Boudry  
 Feb 13, 2008  
 Stephanie Mooney





# Inconsistencies Examples



## ROAD Construction – Code vs FRPA vs CP wording

### CODE

#### Authority to construct, modify or use a road on Crown land

- 41** (1) [Repealed B.C. Reg. 350/02]
- (2) A holder of a woodlot licence may use a road constructed or modified under a cutting permit after the permit expires and is exempt from section 54 (1) of the Act to the extent necessary to use the road.

### FRPA

#### Wilderness roads

**70** Despite section 22.2 [*non-industrial use of a road*] of the Act and section 68 [*road maintenance*], if a woodlot licence holder is required to maintain a forest service road, or a road authorized under a road permit, a cutting permit or a woodlot licence, and the road is not being used by industrial users,



# Inconsistencies Examples



## Post CP template version 2.03 Feb 19, 2008

### 5.00 ROADS

- 5.01 Subject to the Licence and the forestry legislation, the Licensee may construct or modify roads under the authority of this cutting permit on the harvest area if the roads are wholly contained within an harvest area authorized under this cutting permit.

## Post CP template version 2.03 Mar 26, 2008

### 5.00 ROADS

- 5.01 Subject to the Licence and the forestry legislation, the Licensee may construct or modify roads under the authority of this Cutting Permit on areas of Schedule “B” Land, and Schedule “A” Land subject to a timber licence, that are authorized for primary logging and removal under this Cutting Permit if the roads are:
- (a) wholly contained within a cutblock identified on a forest stewardship plan; and
  - (b) not identified on a forest stewardship plan as providing access to more than one cutblock.



# Inconsistencies Examples



## Stocking Standards – Code vs FRPA vs Guide vs Majors

### CODE

CODE's WLFMR as of 1998

**Definitions**

- 1 (1) In this regulation:
  - “**stocking requirements**” means, in relation to an area where there is no silviculture prescription, the preferred and acceptable species and the stocking specifications for a stand of trees that must be achieved for an area as specified
    - (a) in section 77 by the regeneration date, or
    - (b) in section 78 by the free growing date;
  - (2) In this regulation, and in the Act with respect to woodlot licence areas:
    - “**stocking requirements**” means, in relation to an area where there is a silviculture prescription, the stocking specifications set out in section 22.1 (3) (e) and (f);

### FRPA

FRPA's FPPR as of 2003

**Definitions**

- (1) In this regulation:
  - “**stocking standards**” means the stocking standards that apply when
    - (a) establishing a free growing stand, or
    - (b) meeting the requirements of section 44 (4) [*free growing stands generally*];

FRPA's WLPPR as of 2003

**Definitions**

1(1) Unless otherwise indicated, words and expressions not defined in this regulation have the meaning given to them in section 1 [*definitions*] of the Forest Planning and Practices Regulation.

### RESULTS WL Guide

Standards Regime ID	Yes	The stocking standard regime ID number. This must be an approved Standards ID in RESULTS. This number uniquely identifies a set of series of Regen/FG offsets, target/minimum stocking levels, species/heights, etc that make up a stocking standard.
---------------------	-----	---



# "Duplication" Examples



## Areas & Dates – in FTA

### Forest Tenure Administration (FTA)

Search | Inbox | Tenures | Private Marks | Recreation | Admin

Tenure | CP/Mark | Cut Block | Assoc. Files | Assoc. Client | AAC | Sale Info | Tenure Appl. | Notes

G Rotation | H Rotation | Cpv Rotation | TL Blk | CP/CB Amend. | Rec Project | Scin\Brnch. | Road History

#### FTA902 - Cutting Permit Details

File: W0588 Type: A04 - Woodlot Licence Admin Org: DCC - Central Cariboo Forest District  
 CP/HVA ID: F File Status: HI - Issued As of: 1993-03-08  
 Award Date: 1987-08-01 Expiry Date: 2027-07-31  
 Licensee: 00017941 00 BLAKE, ROGER ROY

Back | Back To Search

CP: F Status: HI - Issued \* As of: 2003-07-10 \*  
 Mark: W0588F District: DCC - Central Cariboo Forest District \* Zone: 7 \*  
 Location: Buchanan Lake Schedule B (ha): 13.0057 Schedule A (ha):  
 Issue Date: 2003-06-30 Mark Term: 3 yr 0 mo Expires: 2006-06-29 \*  
 Extension Count: 2 Extended Date: 2009-03-31 Reason: X - Miscellaneous  
 Quota Type: A - Normal replaceable AAC \* Salvage Type:  
 Catastrophic: No \* Deciduous: No \* Cruise Based (Y/N): No \*  
 Mgmt Unit: F Instrument: H - Hammer \* Land Region:  
 Compliance Method: S - Full, Standard Marking \* Instrument: H - Hammer \* Land Region:

### Application Home

#### Forest Tenure Administration (FTA)

Search | Inbox | Tenures | Private Marks | Recreation | Admin

Tenure | CP/Mark | Cut Block | Assoc. Files | Assoc. Client | AAC | Sale Info | Tenure Appl. | Notes

G Rotation | H Rotation | Cpv Rotation | TL Blk | CP/CB Amend. | Rec Project | Scin\Brnch. | Road History

#### FTA904 - Cut Block Detail

File: NCHTN Type: B09 - Non-Exportable Crown Grant Admin Org: DCC - Central Cariboo Forest District  
 CP/HVA ID: File Status: HI - Issued As of: 2003-07-09  
 Cut Block: 05/A Award Date: 2003-07-09 Expiry Date: 2008-07-08  
 Licensee: 00017941 00 BLAKE, ROGER ROY

Back | Back To Search | Add New

Mark: NCHTN District: DCC - Central Cariboo Forest District  
 Mark Status: HI - Issued Location: BUCHANAN LAKE  
 Issue Date: 2003-07-09 Mark Term: 5 yr 0 mo Expires: 2008-07-08  
 Area (ha):  
 Total Logged Area (ha): 6,638,094.7535 Salvage Type:

Map View

Cut Block: 05/A \* Status: HB - Approved for Harvesting \* As of: 2005-09-22 \*  
 Cut Regulation:  
 Planned Harvest:  
 Gross Area (ha): 0.5000 \* Net Area (ha): 0.5000 \* Start Date: 2005-09-21 \*  
 Actual Harvest:  
 Logged Area (ha): Start Date: 2006-01-06 \* Complete Date:  
 SP Exempt: Yes \* Opening:  
 Block Description:  
 Save



# "Duplication" Examples



## Areas & Dates – in RESULTS

**RESULTS**

Search | Inbox | Openings | Projects | Data Submission | Admin | Event Tracking | Reports

Opening Inquiry | Multi-Tenure | Stocking Standards | Activities | Projects | Forest Cover | Milestones | Land Status | Attachments

Org Unit: DCC - Central Cariboo Forest Distri Status: APP - Approved  
 Client: 00017941 00 Name: BLAKE, ROGER ROY  
 Opening: 93A 021 0.0 63G Opening Id: 118734 Licensee Opening Id: W0588  
 Licence No: W0588 CP: F Cut Block: 1 Timber Mark: W0588F  
 Exhibit A Area (ha): 13.0 Disturbance Gross Area (ha): 5.3 NAR (ha): 12.4 Forest Cover Area (ha): 0.0

Go Clear SP Map Map View History FTA

**RESULTS316 - Disturbance Results**

Back

ATU ID: 1924810 Licensee Activity ID:   
 Actual Base Activity: DN - Denudation Technique: HV - Harvest  
 Silviculture Systems: System: SELEC Variant: SIN Cut Phase: REMOV  
 Disturbance Start Date (YYYY-MM-DD): 2005-09-30 Disturbance End Date (YYYY-MM-DD): 2006-03-15  
 Disturbance Area(ha): 3.6 Licence Number:   
 Disturbance Code: L - Logged Cutting Permit:   
 Cut Block:  Disturbance Complete:   
 Comments: No Map: Y

Save Delete

**RESULTS**

Search | Inbox | Openings | Projects | Data Submission | Admin | Event Tracking | Reports

Opening Inquiry | Multi-Tenure | Stocking Standards | Activities | Projects | Forest Cover | Milestones | Land Status | Attachments

Org Unit: DCC - Central Cariboo Forest Distri Status: APP - Approved  
 Client: 00017941 00 Name: BLAKE, ROGER ROY  
 Opening: 93A 021 0.0 63G Opening Id: 118734 Licensee Opening Id: W0588  
 Licence No: W0588 CP: F Cut Block: 1 Timber Mark: W0588F  
 Exhibit A Area (ha): 13.0 Disturbance Gross Area (ha): 5.3 NAR (ha): 12.4 Forest Cover Area (ha): 0.0

Go Clear SP Map Map View History FTA

**RESULTS301 - Opening Inquiry**

Back

Opening: 93A 021 0.0 63G Licensee Opening Id: W0588  
 SP Exempt: N Opening Status: APP  
 Opening Category: FTWL - Forest Tenure - Woodlot Site P Dist Admin Zone:   
 Tenure Type: A04 - Woodlot Licence Block Status: HB - Approved for Harvesting  
 Admin Forest Org: DCC - Central Cariboo Forest District TSB:   
 Management Unit Type: F - Woodlot Management Unit ID:   
 Tenure Admin Org: DCC - Central Cariboo Forest District  
 Original Approval: BBEAMAN 2003-06-27 Current Amendment:   
 Actual Disturbance Start: 2005-09-30  
 Post Harvest Declared Date:   
 Regeneration Declared Date:  Regeneration Offset: 7 Regeneration Due Date: 2012-09 Regeneration Overdue: No  
 Free Grow Declared Date:  Free Grow Offset: 15 Free Grow Due Date: 2020-09 Free Growing Overdue: No

**Pre - Harvest Stand Label**

Previous Stand Type: MAT - Mature  
 Previous Timber Type  
 Species 1: SX - spruce hybrid Species 2:   
 Age Class: 6 - 101 - 120 Years Height Class: 3 - 19.5 - 28.4 Meters Stocking Class: 0 - Immature Stands  
 Site Index: 17 Site Index Source:

Maximum Allowable Permanent Access: 7 % Gross Area (ha): 13

Last Updated: DIR/PBARRON 2008-04-03 02:53:08 PM Opening Comments: No  
 Spatial data exists: Y

Include Exhibit A Spatial

Site Plan/Forest Cover Map Date Map

Save Delete Add Remove



# "Duplication" Examples



## Areas & Dates – in WASTE

**Waste System**

Annual Plan | Reporting Unit | Reports | Ledgers

**Waste102 - Block Details**

[Back](#)

Annual Plan ID: 299  
Plan Year: 2008

Forest District: DCC - Central Cariboo Forest District  
Licensee: MFR 00

Reporting Unit ID: 458  
Reporting Unit Status: Approved  
Option: Ocular

Dispersed CV (%):  
Accumulated CV (%):

Licence No: W1450  
Block: 1  
WASTE Block Status: SUB - Submitted

Cutting Permit: A  
Timber Mark: W1450A

Years Logged From: 2008  
Years Logged To: 2008

Primary Logging Completion Date: 2008-04-01  
Survey Date: 2008-04-15

Disturbance Start Date (from FTA):  
Disturbance End Date (from FTA):

Net Area (ha): 6  
Gross Disturbance Area (ha)(from FTA): 118.8

FTA Block Status: SP - SP only, no application received

Roads (NP/NF):  
Catastrophic (from FTA): N  
Cruise (m<sup>3</sup>/ha):  
Return Number: 1  
Waste Surveyor Licence: WASI

Zone:  Dry Belt  Transition Zone  Wet Belt  
Condition:  Normal  MPB Control  Fire Kill  
WASTE Benchmark (m<sup>2</sup>/ha): 10

Multi-Mark/Parent Block: No  
Primary Mark Area (ha):

Multi-Marks  
Parent Blocks  
Multi-Mark/Parent Block

Save

**Dispersed**

Waste Type	Harvest Method	Assessment Method	Plot Size (m <sup>2</sup> )	Waste Level	Area (ha)
D - Dispersed Retention	C - Any Combination	O - Ocular Estimate		L - Light	5.75

Save Cancel Details Update Delete

**Accumulation**

Waste Type	Harvest Method	Assessment Method	Plot Size (m <sup>2</sup> )	Waste Level	Area (ha)

Save Cancel

**Dispersed**

Waste Type	Harvest Method	Assessment Method	Plot Size (m <sup>2</sup> )	Waste Level	Area (ha)
D - Dispersed Retention	C - Any Combination	O - Ocular Estimate		L - Light	5.75

Save Cancel Details Update Delete

**Accumulation**

Waste Type	Harvest Method	Assessment Method	Plot Size (m <sup>2</sup> )	Waste Level	Area (ha)
L - Landings	C - Any Combination	O - Ocular Estimate		M - Medium	25

Save Cancel Details Update Delete

**Standing Trees**

Assessment Method  
Net Area

Save Cancel

[Back](#)



# Issues Prioritized



## TOP "TEN"

- Frustration with RESULTS (#50)
- RESULTS data clean up (#24 & #22)
- BCeid expiry every 2 years (#46)
- Too much info collected by RESULTS (#5)
- Legacy data in LRDW (blocks incorrectly positioned or non-existent) (#17, #21, #20)
- Major changes not adequately communicated (#45)
- Portal to WASTE system not easily recognizable (#54)



# Recommendations Themes



## Six Themes

- Audience-Focused System (Business + System)
  - Improvement to Existing Processes
  - Personal Contact
  - Recognition of Tenure/Other Fields
  - Tools (New)
- Extensive Review of Data Requirements
- Data Clean Up
- Audience-Focused Training
- Full-Time Position
- Policy Practices Audit



# Short Term

## 3 to 9 months



### TOP TEN

- Cross Functional team (#49)
- Woodlot Specific e-service expert (#17)
- Suggested Improvements evaluation (#5)
- Tool Options (#24)
- One audience specific portal (#31)
- CP/RP training (#36)
- Data Clean up (#45 & #46)
- Full time position to lead CF Team (#64)
- View access to all applications (#19)
- Stocking Standards adjustments in Results to match woodlots (#63)



# Mid Term

## 9 months to 2 years



### TOP FIVE

- 2 Full time positions (#100)
  - one specific to woodlots
  - one for all other tenures
- Orthorectify base maps (#94)
- Client-focused Reports (including descriptions in CRS- #69)
  - HBS: Cut control statements (#79, #78,# 11)
  - RESULTS: All openings' obligations summary (#16)
- Adjust/develop appropriate standards for woodlot submissions (#73)
- Reassessing current WASTE reporting requirements (#99)



# Long Term

2 to 5 years



## TOP THREE

- Tenure Recognition across all systems (#107 + #108)
- Easier movement between applications (#104)
- Interactive business process maps (#109)



# Essential Culture Shifts



## TOP FOUR ("ongoing" recommendations)

- Recognition of woodlot differences at planning stage of business/system changes (#124)
- Use of business process maps as big picture lens to assess impacts of new initiatives/legislation/changes (#115)
- Knowledge sharing through provincial calls/AGMs (#121)
- Woodlot business/systems coordinator/liaison (#125)



# Improvement Examples



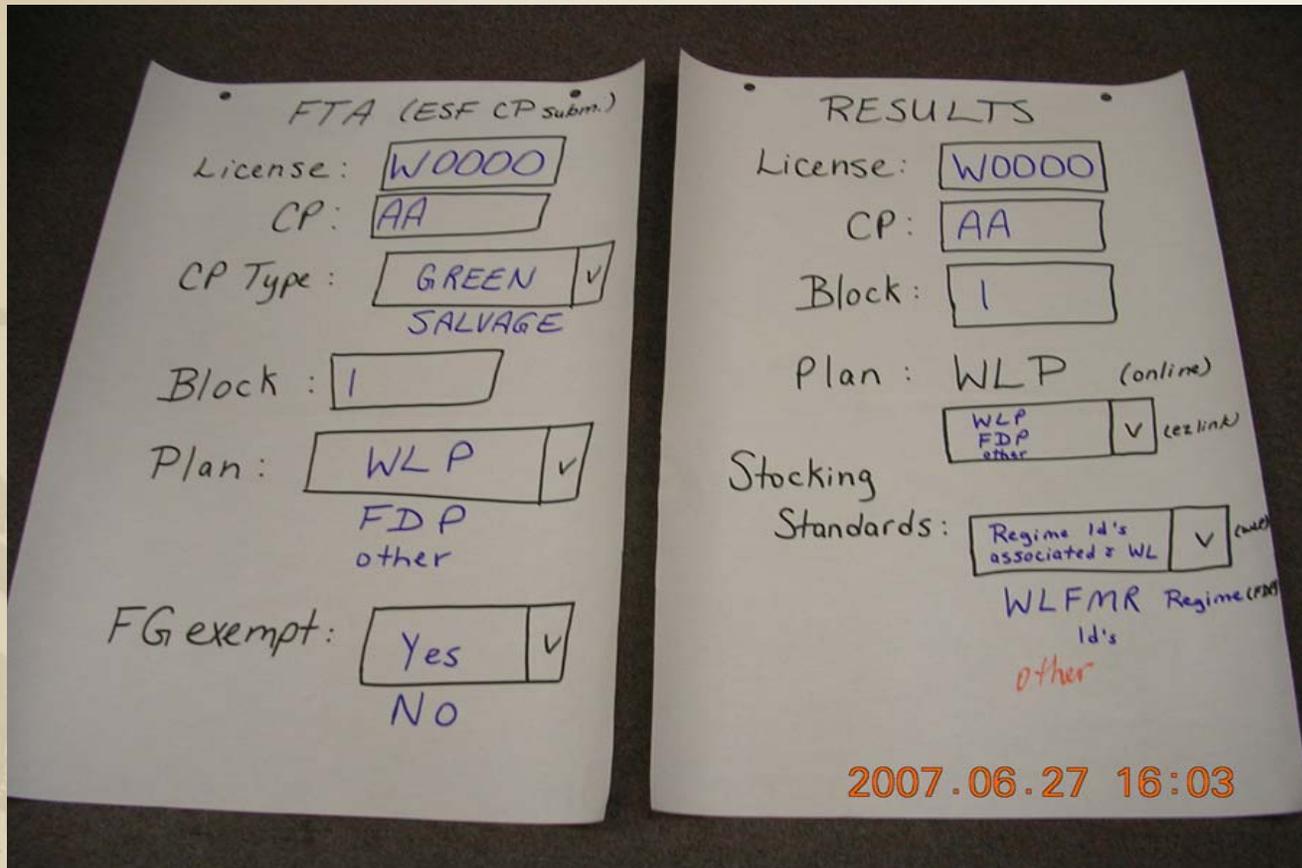
1. Tenure Recognition
2. Permit Salvage Code
3. FG Exempt checkbox field
4. FDP/WLP checkbox field
5. Single MFR e-application request form
6. One Simple Portal



# Improvement Examples (#1, 2, 3, 4)



Go to Flipcharts



2007.06.27 16:03



# Improvement Example

## One single "form" (#5)



### Information Access Proposal #4

#### Streamlined User Access Cont'd

- Consolidate and simplify access protocols for required data and systems
- Consider a single application procedure which grants access to all required data and systems

**Systems access and BCeID request form** Help

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
Do you have a current BCEID?  
 Yes: \_\_\_\_\_  
 No

Please choose the application(s) for which you are requesting access from the list below

- LRDW
- ECAS
- FTA**
- ESF
- HBS
- RESULTS
- SPAR

Why do you require access to this system?  
Tenure #: \_\_\_\_\_  
Other application-specific questions...

Submit





# Improvement Example One Simple Portal (#6)



## GeoBC BC's GEOGRAPHIC GATEWAY

Quick Links

- Archaeology & Culture
- Base Maps
- Fish, Wildlife & Plants
- Forest, Grasslands & Wetlands
- Fresh Water & Marine
- Land Ownership & Status
- Land Use Plans
- Minina & Petroleum
- Parks, Recreation & Tourism

LINKS

- SITE MAP
- CONTACT US
- ABOUT GeoBC
- BC HOME
- MAIN INDEX
- GeoBC on GOOGLE EARTH

SEARCH GeoBC

BRITISH COLUMBIA  
The Best Place on Earth

Welcome to the GeoBC Gateway Application

## Resource Tenures & Engineering Branch Ministry of Forests

Ministry Home Government of British Columbia

Branches Search this Site Telephone / Address

### Site Contents

- [Engineering](#)
- [Real Estate Operations](#)
- [Timber Tenures](#)

### General Information

- [Community Forests](#)
- [Woodlot Licence Program](#)

### Other Links

- [BC Timber Sales](#)
- [Forms](#)
- [Forest Library](#)
- [Govt Tel Directory](#)
- [Provincial Map](#)
- [MSRM](#)

### Woodlot Licence Program

- [Annual Report](#)
- [Designate Explained](#)
- [Electronic Forest Management \(e-FM\) Initiative](#)
- [Legislation](#)
- [Management Plan](#)
- [Operational Plans](#)
- [Policy](#)
- [Program Brochure](#)
- [Q & A - W.L. Planning & Practices Regulation \(FRPA\)](#)
- [Road Layout and Design](#)
- [Seeds and Seedlings](#)
- [Timber Processing Amendment](#)
- [WL Cut Control \(word\)](#)
- [WL Transfers & Private Land Dispositions](#)
- [Woodlot for Windows AAC Program](#)

### Other Duties

- [FUP to cut a Christmas Tree](#)

Top Copyright Disclaimer Privacy Feedback



# Improvement Example vs Info Site



BC's Best Managed Forests

**BRITISH COLUMBIA**  
The Best Place on Earth

All B.C. Government Information Management

Search

Main Index Help Contact Us

Text Size

**B.C. Home**

**Forests and Range**

**e-FM**

Application Information

- [Application Bulletin](#)
- [Application Index](#)
- [Application Support](#)

Applications

- [Appraisals - FCAS](#)
- [As Built Roads - ABS](#)
- [Authority Delegation and Management - ADM](#)
- [Biomass](#)
- [Corporate Reporting System - CRS](#)
- [Electronic Submission Frameworks - ESF](#)
- [Forest Stewardship Plan - FSP](#)
- [Forest Tenure](#)
- [Harvest Billing - HRS](#)
- [Invasive Plants - IAP](#)
- [Lands Report - LRS](#)
- [MapView](#)
- [Mark Sites](#)
- [Seed Information - SPAS](#)
- [Silviculture Reporting - SRSA/RS](#)
- [Tenure Maps - TMS](#)
- [Waste](#)

**B.C. Home** [Forests and Range](#) [e-FM](#)

## Electronic Forest Management (e-FM) Initiative

The Ministry's shift to conduct business through electronic transmission of information with the business community is called the Electronic Forest Management initiative (e-FM).

The e-FM initiative includes a suite of ministry applications that are available to Ministry business partners and focuses on business transformation, efficient approval processes and electronic transactions and records.

A fundamental and central component of e-FM is to use an electronic submission framework (ESF) to conduct business with the Ministry's business community. The ESF application supports conducting business with the exchange of "attribute (forms) and spatial data (maps)" information through a single, standardized interface across external and internal organizations.

Key business components of the e-FM initiative are: e-Access, e-Records, and e-Learning. System development projects are underway in each of these categories. Many new capabilities are already available, and more are under development for future release.

- [e-Access](#)
- [e-Records - Electronic Records Management](#)
- [e-Learning - On-Line Classroom - Web-based Training](#)

### Access to Trim - TRIM data

As part of the E-FM initiative, GeoBC is making TRIM base map data available for free to licensees that are meeting their statutory reporting requirements using ESF and the other E-FM tools. [Details of the announcement replacing Data Exchange Agreements with this new policy](#)

### e-Access

#### BCeID

BCeID is an online service that makes it possible for you to use your Login ID and password to sign in securely to any BceID participating British Columbia Government internet site.

**Important:** Access to applications may require a BC Government user ID (BceID).

- If your company does not have a BceID, please see [BceID Registration Process](#)
- If your company has a BceID, please see [Requesting Access to Electronic Forest Management \(e-FM\) Applications](#)

### e-Records

#### Electronic Records Management

The Ministry is introducing a method for filing both internal and external electronic mail based on the government's Microsoft Exchange email system and government's ARCS and ORCS filing standard. Since the vast majority of business correspondence today is via email or email attachments, this system is expected to replace most of the Ministry's paper-based filing methods over time. Because this new tool incorporates the capacity to do electronic word by word searches through all email and documents held in it, it will significantly improve the Ministry's capacity to locate information relevant to any topic.

Legal documents already in existence in hard copy media must be retained for evidentiary purposes. Many of the Ministry's significant documents are very old, and are in paper format. These documents will still have value to the Ministry and to government decades from now. Over time, an electronic version of these documents may be made available for Ministry reference/viewing, thereby ensuring preservation of valuable historic records while providing easier access.



# Improvement Example



## Requested Reports

HBS: Automatic cut control statements

FTA: BSP Cutblock application date  
(to tell when RESULTS submission should occur)

FTA: Area, AAC & replacement date

RESULTS: Obligations Summary for all openings/woodlot  
(harvest start, survey(s) reported, regen/FG dates & declaration dates)

RESULTS: Annual report completion



# Resource Requirements



## Staff

- Short Term
  - 1 full time position for the implementation of ..
- Mid Term to Ongoing
  - 2 full time positions for...

## Budget

- Training \$
- Tool Development \$



# Key Learnings



Dave

Coleen

Gord

Jacques

Susan



# Reflections



Voice from the past – some excerpts



# Key Messages

## 5 C's



- Client-focused processes and interfaces
- Clean up of data is high priority to enable:
  - licensee compliance
  - accurate ministry data management
  - ease succession (tenure & staff)
- Clarify/justify information requirements
- Change inappropriate business rules
- Create easier access and user friendly systems



eFM .....



“Vision without Implementation is Hallucination”

# FBCWA/MFR Woodlot efm Project

June 25<sup>th</sup> , 2008